

California Department of Fish and Game  
Natural Diversity Data Base

Full Condensed Report – Multiple Records per Page

CAMPANULA CALIFORNICA  
SWAMP HAREBELL  
Element Code: PDCAM02060

—List Status—  
Federal: None  
State: None

NDDB Element Ranks  
Global: G2  
State: S2.2

Other Lists  
CNPS List: 1B  
R-E-D Code: 2-2-3

Habitat Associations

General: BOGS AND FENS, CLOSED-CONE CONIFEROUS FOREST, COASTAL PRAIRIE, MEADOWS, FRESHWATER MARSH, N COAST CONIFEROUS FOREST.  
Micro: BOGS AND MARSHES IN A VARIETY OF HABITATS; UNCOMMON WHERE IT OCCURS. 1-405M.

Occurrence No. 14 Map Index:07696 —Dates Last Seen— Lat/Long: 38°20'54" / 123°03'15"  
Occ Rank: None Element: 1967-08-28 UTM: Zone-10 N4244259 E495266 Township: 06N  
Origin: Natural/Native occurrence Site: 1967-08-28 Precision: NON-SPECIFIC Range: 11W  
Presence: Possibly Extirpated Symbol Type: POINT Section: XX Qtr XX  
Trend: Unknown Radius: 1/5 mile Meridian: M  
Main Source: RUBTZOFF, P. #5864 CAS (HERB) Elevation: 80 ft  
Quad Summary: BODEGA HEAD (3812331/503D)  
County Summary: SONOMA  
SNA Summary:  
Location: MARSHY HILLSIDE DEPRESSION SE OF LOWER SALMON CREEK MARSH.  
Comments  
Distribution:  
Ecological: DEPRESSION ON MARSHY HILLSIDE.  
Threat:  
General: ONLY A FEW PLANTS IN 1967. PLANTS HAVE NOT BEEN SEEN HERE IN A NUMBER OF YEARS (B. GUGGOLZ, 1993).  
Owner/Manager: UNKNOWN

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AMORPHA CALIFORNICA VAR NAPENSIS  
NAPA FALSE INDIGO  
Element Code: PDFAB08012

—List Status—  
Federal: None  
State: None

NDDB Element Ranks  
Global: G4T2  
State: S2.2

Other Lists  
CNPS List: 1B  
R-E-D Code: 2-2-3

—Habitat Associations—

General: BROADLEAFED UPLAND FOREST, CHAPARRAL, CISMONTANE WOODLAND.  
Micro: OPENINGS IN FOREST OR WOODLAND OR IN CHAPARRAL. 150-2000M

Occurrence No. 33 Map Index:35195  
Occ Rank: Unknown  
Origin: Natural/Native occurrence  
Presence: Presumed Extant  
Trend: Unknown  
Main Source: GUGGOLZ 1996 (PERS)  
Quad Summary: BODEGA HEAD (3812331/503D)  
County Summary: SONOMA  
SNA Summary:  
Location: BODEGA BAY.

—Dates Last Seen—  
Element: XXXX-XX-XX  
Site: XXXX-XX-XX  
Precision: NON-SPECIFIC  
Symbol Type: POINT  
Radius: 1 mile

Township: 06N  
Range: 11W  
Section: XX Qtr XX  
Meridian: M  
Elevation: 100 ft

Comments:  
Distribution:  
Ecological:  
Threat:

General: NEEDS FIELDWORK, LOCATION INFORMATION IS VAGUE; FROM LIST BY B. AND J. GUGGOLZ.  
Owner/Manager: UNKNOWN

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MONARDELLA VILLOSA SSP GLOBOSA  
ROBUST MONARDELLA  
Element Code: PDLAM180P7

—List Status—  
Federal: None  
State: None

NDDB Element Ranks  
Global: G5TH  
State: SH?

Other Lists—  
CNPS List: 1B  
R-E-D Code: 3-2-3

—Habitat Associations—

General: CHAPARRAL, CISMONTANE WOODLAND.  
Micro: OPENINGS. 30-300M.

Occurrence No. 7 Map Index:32596

—Dates Last Seen—

Lat/Long: 38°20'09" / 123°00'08"

Township: 06N

Occ Rank: Unknown

UTM: Zone-10 N4242856 E499803

Range: 10W

Origin: Natural/Native occurrence

Element: 1941-06-22

Section: XX Qtr XX

Presence: Presumed Extant

Site: 1941-06-22

Precision: NON-SPECIFIC

Meridian: M

Trend: Unknown

Symbol Type: POINT

Elevation: 400 ft

Main Source: CARTER & CRUM #1641 UC #666146 (HERB)

Radius: 1 mile

Quad Summary: BODEGA HEAD (3812331/503D)\*, VALLEY FORD (3812238/502C)

County Summary: SONOMA

SNA Summary:

Location: 3.3 MILES EAST OF BODEGA BAY.

Comments:

Distribution: EXACT SITE UNKNOWN. MAPPED EAST OF THE TOWN OF BODEGA BAY AND INCLUDES LIKELY COLLECTION ROUTES ALONG HIGHWAY 1 AND BAY HILL ROAD.

Ecological:

Threat:

General: ONLY SOURCE OF INFORMATION FOR THIS SITE IS 1941 COLLECTION BY CARTER AND CRUM.

Owner/Manager: UNKNOWN

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ABRONIA UMBELLATA SSP. BREVIFLORA  
PINK SAND-VERBENA  
Element Code: PDNYC010N2

—List Status—  
Federal: None  
State: None

NDDB Element Ranks—  
Global: G5T2  
State: S2.1

Other Lists—  
CNPS List: 1B  
R-E-D Code: 2-3-2

Habitat Associations

General: COASTAL DUNES AND COASTAL STRAND. FROM NORTH COAST OF CALIFORNIA AND INTO OREGON.  
Micro: FOREDUNES AND INTERDUNES WITH SPARSE COVER. A. UMB. BREVIFLORA IS USUALLY THE PLANT CLOSEST TO THE OCEAN. 0-12M.

Occurrence No. 21 Map Index:07701  
Occ Rank: Unknown  
Origin: Natural/Native occurrence  
Presence: Presumed Extant  
Trend: Unknown  
Main Source: DUEBENDORFER, T. 1987 (OBS)  
Quad Summary: BODEGA HEAD (3812331/503D)  
County Summary: SONOMA  
SNA Summary: Bodega Harbor  
Location: DORAN BEACH ALONG THE SOUTH SPIT OF BODEGA BAY.

—Dates Last Seen—  
Element: 1987-07-14  
Site: 1987-07-14  
Precision: SPECIFIC  
Symbol Type: POLYGON  
Area: 25.8 ac

Township: 06N  
Range: 11W  
Section: XX Qtr XX  
Meridian: M  
Elevation: 10 ft

Comments—

Distribution: SCATTERED FROM 0.25 TO 1 MI E OF END OF SPIT.  
Ecological: ASSOCIATES INCLUDE AMMOPHILA ARENARIA, CAKILE MARITIMA, AND ABRONIA LATIFOLIA.  
Threat: LOTS OF FOOT TRAFFIC, MOSTLY ON THE BEACH.  
General: LESS THAN 480 PLANTS IN THE TWO EASTERN MOST SUBPOPULATIONS. ONLY 4 PLANTS SEEN IN WESTERN 2/3 OF SITE ON WINDWARD SIDE OF DUNES.

Owner/Manager: SON COUNTY

Occurrence No. 22 Map Index:07731  
Occ Rank: Unknown  
Origin: Natural/Native occurrence  
Presence: Presumed Extant  
Trend: Unknown  
Main Source: DUEBENDORFER, T. 1987 (OBS)  
Quad Summary: BODEGA HEAD (3812331/503D)  
County Summary: SONOMA  
SNA Summary: Bodega Harbor  
Location: DORAN BEACH, 0.6 MILE NW OF PINNACLE ROCK, EAST END OF SOUTH SPIT OF BODEGA BAY

—Dates Last Seen—  
Element: 1987-07-14  
Site: 1987-07-14  
Precision: NON-SPECIFIC  
Symbol Type: POINT  
Radius: 1/5 mile

Township: 05N  
Range: 11W  
Section: XX Qtr XX  
Meridian: M  
Elevation: 20 ft

Comments—

Distribution:  
Ecological: ABRONIA LATIFOLIA AND CAKILE MARITIMA FOUND NEARBY.  
Threat:  
General: 1 PLANT COVERING ABOUT 15%.

Owner/Manager: SON COUNTY

Occurrence No. 31 Map Index:22898  
Occ Rank: Unknown  
Origin: Natural/Native occurrence  
Presence: Presumed Extant  
Trend: Unknown  
Main Source: EASTWOOD SN UC (HERB)  
Quad Summary: BODEGA HEAD (3812331/503D)  
County Summary: SONOMA  
SNA Summary:  
Location: BODEGA POINT (PINNISLA).

—Dates Last Seen—  
Element: 1900-07-04  
Site: 1987-07-XX  
Precision: NON-SPECIFIC  
Symbol Type: POINT  
Radius: 1 mile

Township: 06N  
Range: 11W  
Section: XX Qtr XX  
Meridian: M  
Elevation: 0

Comments—

Distribution:  
Ecological:  
Threat:  
General: COLLECTION LOCATION FOR EASTWOOD SN AT UC (HERB) WAS GIVEN AS "BODEGA POINT". BODEGA HEAD IS QUITE ROCKY; PERHAPS FURTHER N ON SANDY PORTION OF PINNISLA IS WHERE COLLECTION WAS MADE. NO PLANTS SEEN IN 1987.

Owner/Manager: UNKNOWN

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CHORIZANTHE CUSPIDATA VAR CUSPIDATA  
SAN FRANCISCO BAY SPINEFLOWER  
Element Code: PDPGN04081

—List Status—  
Federal: None  
State: None

NDDB Element Ranks  
Global: G3T2  
State: S2.2

Other Lists  
CNPS List: 1B  
R-E-D Code: 2-2-3

—Habitat Associations—

General: COASTAL BLUFF SCRUB, COASTAL DUNES, COASTAL PRAIRIE, COASTAL SCRUB.  
Micro: CLOSELY RELATED TO C. PUNGENS. SANDY SOIL ON TERRACES AND SLOPES. 5-550M.

Occurrence No: 15 Map Index: 22898  
Occ Rank: Unknown  
Origin: Natural/Native occurrence  
Presence: Presumed Extant  
Trend: Unknown  
Main Source: HOWELL #5271 CAS #181199 (HERB)  
Quad Summary: BODEGA HEAD (3812331/503D)  
County Summary: SONOMA  
SNA Summary:  
Location: NORTH END OF BODEGA BAY.

—Dates Last Seen—  
Element: 1930-06-08  
Site: 1930-06-08  
Precision: NON-SPECIFIC  
Symbol Type: POINT  
Radius: 1 mile

Lat/Long: 38°19'56" / 123°03'57"  
UTM: Zone-10 N4242476 E494238

Township: 06N  
Range: 11W  
Section: XX Qtr XX  
Meridian: M  
Elevation: 0

Comments—  
Distribution: MAPPED ALONG THE PENINSULA THAT FORMS THE NORTHERN BOUNDARY OF BODEGA BAY.  
Ecological: SAND HILLS.  
Threat:  
General: ONLY SOURCE OF INFORMATION FOR THIS SITE IS 1930 COLLECTION BY HOWELL.  
Owner/Manager: UNKNOWN

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CHORIZANTE CUSPIDATA VAR VILLOSA  
WOOLLY-HEADED SPINEFLOWER  
Element Code: PDPGN04082

—List Status—  
Federal: None  
State: None

NDDB Element Ranks—  
Global: G3T1  
State: S1.2

Other Lists—  
CNPS List: 1B  
R-E-D Code: 3-2-3

Habitat Associations

General: COASTAL SCRUB, COASTAL DUNES, COASTAL PRAIRIE. ENDEMIC TO COASTLINE FROM BODEGA BAY TO PT. REYES.  
Micro: SANDY PLACES NEAR THE BEACH. 3-60M.

Occurrence No. 1 Map Index: 34519      —Dates Last Seen—      Lat/Long: 38°18'53" / 123°03'52"  
Occ Rank: Unknown      Element: 1962-06-19      UTM: Zone-10 N4240522 E494361  
Origin: Natural/Native occurrence      Site: 1962-06-19      Precision: NON-SPECIFIC  
Presence: Presumed Extant      Symbol Type: POINT  
Trend: Unknown      Radius: 1/5 mile  
Main Source: BACIGALUPI & HECKARD #8589 JEPS (HERB)  
Quad Summary: BODEGA HEAD (3812331/503D)  
County Summary: SONOMA  
SNA Summary:  
Location: 0.25 MILES SOUTHEAST OF HORSESHOE COVE, BODEGA HEAD.  
Comments—  
Distribution: AT NE BASE OF LOW HILLS FORMING BODEGA HEAD. COLLECTIONS FROM "BODEGA HEAD", "BODEGA POINT", "BODEGA", AND "BODEGA BAY" ARE ALSO INCLUDED AT THIS SITE.  
Ecological: SANDY DRAW.  
Threat:  
General: VICINITY OF TYPE. SEVERAL COLLECTIONS FROM THIS AREA.  
Owner/Manager: UNKNOWN

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POLYGONUM MARINENSE  
MARIN KNOTWEED  
Element Code: PDPGN0100

—List Status—  
Federal: None  
State: None

NDDB Element Ranks  
Global: G1Q  
State: S1.1

Other Lists  
CNPS List: 3  
R-E-D Code: 3-3-3

—Habitat Associations—

General: MARSSES AND SWAMPS.

Micro: COASTAL SALT MARSHES AND BRACKISH MARSHES. 0-10M.

Occurrence No. 17 Map Index:44395

Occ Rank: Unknown

Origin: Natural/Native occurrence

Presence: Presumed Extant

Trend: Unknown

Main Source: GUGGOLZ, B. 1992 (PERS)

Quad Summary: BODEGA HEAD (3812331/503D)

County Summary: SONOMA

SNA Summary:

Location: BODEGA HEAD, MARSH NEAR BUILDING, JUST NORTH OF GAFFNEY POINT.

Comments—

Distribution: IN BRACKISH MARSH NEAR BUILDINGS (DORMS?). NO MAP DETAIL PROVIDED; MAPPED AS BEST GUESS BY CNDBB.

Ecological: IN BRACKISH MARSH.

Threat:

General: ONLY SOURCE OF INFORMATION FOR THIS SITE IS PHONE CALL FROM GUGGOLZ (1992) REGARDING PETER CONNORS' OBSERVATION OF POLYGONUM MARINENSE AT BODEGA HEAD.

Owner/Manager: UNKNOWN

—Dates Last Seen—

Element: XXXX-XX-XX

Site: XXXX-XX-XX

Lat/Long: 38°19'06" / 123°03'21"

UTM: Zone-10 N4240933 E495116

Precision: NON-SPECIFIC

Symbol Type: POINT

Radius: 1/10 mile

Township: 06N

Range: 11W

Section: 34 Qtr XX

Meridian: M

Elevation:

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DELphinium luteum  
YELLOW LARKSPUR  
Element Code: PDRANOB0ZO

—List Status—  
Federal: Endangered  
State: Rare

NDDB Element Ranks—  
Global: G1  
State: S1.1

Other Lists—  
CNP List: 1B  
R-E-D Code: 3-3-3

Habitat Associations

General: CHAPARRAL, COASTAL PRAIRIE, COASTAL SCRUB. ENDEMIC TO A COUPLE OF OCCURRENCES HANGING ON IN SONOMA COUNTY.  
Micro: NORTH-FACING ROCKY SLOPES. 0-100M.

Occurrence No. 5 Map Index:07740 —Dates Last Seen— Lat/Long: 38°19'00" / 123°00'55"  
Occ Rank: Good Element: 1997-03-12 UTM: Zone-10 N4240744 E498652 Township: 06N  
Origin: Natural/Native occurrence Site: 1997-03-12 Precision: SPECIFIC Range: 10W  
Presence: Presumed Extant Symbol Type: POINT Section: 36 Qtr SW  
Trend: Decreasing Radius: 80 meters Meridian: M  
Main Source: GUGGOLZ, B. & J. GUGGOLZ 1987 (OBS) Elevation: 200 ft  
Quad Summary: BODEGA HEAD (3812331/503D)  
County Summary: SONOMA  
SNA Summary: Upper Cheney Gulch  
Location: LARKSPUR HILL; SOUTH SIDE CHENEY GULCH ALONG HWY 1; 3 KM SOUTH OF BODEGA BAY, SOUTHWEST OF QUARRY.  
Comments—  
Distribution:  
Ecological: NORTH FACING SLOPE WITH ARABIS BLEPHAROPHYLLA, CALOCHORTUS TOLMEI, MIMULUS AURANTIACUS, DUDLEYA CAESPITOSA, POLYPODIUM CA., & ERIOGONUM CF. PARVIFOLIUM. FRITILLARIA AFINIS AFFINIS SEEN NEARBY.  
Threat: SURROUNDING AREA DEVELOPED FOR HOMES. THIS AREA NOT DISTURBED. LACK OF FIRE MAY BE ADVERSELY AFFECTING PLANTS.  
General: TYPE LOCALITY. POPULATION NEAR QUARRY AND SUBDIVISION. 60+ PLANTS SEEN IN 1983 AND 1984, 130 SEEN IN 1985; ONLY 50 PLANTS SEEN IN 1986, 40 PLANTS IN 1987, 83 IN 1997. AREA FENCED AS OPEN SPACE.  
Owner/Manager: PVT

Occurrence No. 11 Map Index:07758 —Dates Last Seen— Lat/Long: 38°19'29" / 123°00'28"  
Occ Rank: Good Element: 1987-05-03 UTM: Zone-10 N4241638 E499320 Township: 06N  
Origin: Natural/Native occurrence Site: 1987-05-03 Precision: NON-SPECIFIC Range: 10W  
Presence: Presumed Extant Symbol Type: POINT Section: XX Qtr XX  
Trend: Unknown Radius: 1/5 mile Meridian: M  
Main Source: GUGGOLZ & GUGGOLZ 1987 (OBS) Elevation: 320 ft  
Quad Summary: BODEGA HEAD (3812331/503D)  
County Summary: SONOMA  
SNA Summary: Upper Cheney Gulch  
Location: CHENEY GULCH; HWY 1 NEAR ROAD POST 35; ABOUT 2 MILES WEST OF BODEGA, SOUTH SIDE OF ROAD.  
Comments—  
Distribution:  
Ecological: ON NORTH-FACING ROCKY SLOPE.  
Threat: THREATS INCLUDE GRAZING.  
General: 50 PLANTS SEEN BY GUGGOLZ IN 1983/84, 13 PLANTS SEEN IN 1985 AND 8 IN 1986, 12 IN 1987. OCC CONFIRMATION DONE WITH BINOCULARS SINCE PRIVATE OWNER WILL NOT ALLOW ACCESS.  
Owner/Manager: PVT

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CORDYLANTHUS MARITIMUS SSP PALUSTRIS POINT REYES BIRD'S-BEAK Element Code: PDSCROJ0C3	—List Status— Federal: None State: None	NDDB Element Ranks Global: G3T2 State: S2.2	Other Lists CNPS List: 1B R-E-D Code: 2-2-2
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—Habitat Associations

General: COASTAL SALT MARSH.  
Micro: USUALLY IN COASTAL SALT MARSH WITH SALICORNIA, DISTICHLIS, JAUMEA, SPARTINA, ETC. 0-15M.

Occurrence No. 12	Map Index: 07693	—Dates Last Seen— Element: 1982-08-16 Site: 1982-08-16	Lat/Long: 38°18'54" / 123°03'22" UTM: Zone-10 N4240589 E495085 Precision: SPECIFIC Symbol Type: POLYGON Area: 1.5 ac	Township: 06N Range: 11W Section: 34 Qtr XX Meridian: M Elevation:
Occ Rank: Unknown				
Origin: Natural/Native occurrence				
Presence: Presumed Extant				
Trend: Unknown				
Main Source: LOVELL, B. 1982 (OBS)				
Quad Summary: BODEGA HEAD (3812331/503D)				
County Summary: SONOMA				
SNA Summary: Bodega Harbor				
Location: GAFFNEY POINT, EAST OF BAY FLAT ROAD, BODEGA MARINE LABORATORY, BODEGA HEAD.				
Comments—				
Distribution:	TIDAL MARSH WITH SALICORNIA VIRGINICA, JAUMEA CARNOSA, ATRIPLEX PATULA SSP. HASTATA, LIMONIUM CALIFORNICUM, BUT NOT DISTICHLIS SPICATA.			
Ecological:				
Threat:	HOTTENTOT FIG SPREADING INTO THE AREA.			
General:	LESS THAN 1000 PLANTS IN 1980 AND 1982. AREA IS PROTECTED BY A FENCE AND NO TRESPASSING SIGNS.			
Owner/Manager:	UC-DAVIS			

Occurrence No. 13	Map Index: 07714	—Dates Last Seen— Element: 1983-08-07 Site: 1983-08-07	Lat/Long: 38°18'54" / 123°02'23" UTM: Zone-10 N4240575 E496504 Precision: SPECIFIC Symbol Type: POLYGON Area: 14.2 ac	Township: 06N Range: 11W Section: 35 Qtr XX Meridian: M Elevation: 3 ft
Occ Rank: Unknown				
Origin: Natural/Native occurrence				
Presence: Presumed Extant				
Trend: Unknown				
Main Source: LOVELL, B. ND (PERS)				
Quad Summary: BODEGA HEAD (3812331/503D)				
County Summary: SONOMA				
SNA Summary: Bodega Harbor				
Location: DORAN COUNTY PARK, NORTH SIDE OF ENTRY ROAD ON BODEGA HARBOR SIDE, BODEGA BAY.				
Comments—				
Distribution:	SEVERAL COLONIES (MAPPED AS ONE POLYGON) BETWEEN DIKE ROAD AND RESTROOM A FEW HUNDRED FEET TO THE WEST.			
Ecological:	ASSOCIATED WITH SALICORNIA VIRGINICA, DISTICHLIS SPICATA, JAUMEA CARNOSA, LIMONIUM CALIFORNICUM, CUSCUTA SALINA.			
Threat:	HOTTENTOT FIG INCREASING IN THE AREA.			
General:	MORE THAN 1000 PLANTS IN 1980; LESS THAN 1000 PLANTS IN 1982.			
Owner/Manager:	SON COUNTY-DORAN COUNTY PARK			

Occurrence No. 14	Map Index: 07718	—Dates Last Seen— Element: 1982-08-16 Site: 1982-08-16	Lat/Long: 38°19'12" / 123°02'15" UTM: Zone-10 N4241135 E496719 Precision: SPECIFIC Symbol Type: POLYGON Area: 6.9 ac	Township: 06N Range: 11W Section: 35 Qtr XX Meridian: M Elevation: 2 ft
Occ Rank: Unknown				
Origin: Natural/Native occurrence				
Presence: Presumed Extant				
Trend: Decreasing				
Main Source: LOVELL, B. 1982 (OBS)				
Quad Summary: BODEGA HEAD (3812331/503D)				
County Summary: SONOMA				
SNA Summary: Bodega Harbor				
Location: SE CORNER OF BODEGA HARBOR, WEST OF HWY 1 AND NORTH OF SEWAGE PLANT, ABOUT 1 MILE SOUTH OF BODEGA BAY.				
Comments—				
Distribution:	PLANTS LOCATED AT THE BASE OF A SLOPE BUILT UP BY DUMPING DREDGE SPOILS.			
Ecological:	ASSOCIATED WITH SALICORNIA VIRGINICA, LIMONIUM CALIFORNICUM, DISTICHLIS SPICATA, LIMONIUM SINUATUM.			
Threat:	OIL SPILL IN 1982; MATURE PLANTS WITH SEED CASES BLACK AND SHRIVELED.			
General:	LESS THAN 1000 PLANTS AT BASE OF SLOPE.			
Owner/Manager:	SON COUNTY			

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<b>DIRCA OCCIDENTALIS</b> WESTERN LEATHERWOOD Element Code: PDTHY03010	<b>List Status</b> Federal: None State: None	<b>NDDB Element Ranks</b> Global: G2G3 State: S2S3	<b>Other Lists</b> CNPS List: 1B R-E-D Code: 2-2-3
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Habitat Associations

General: BROADLEAFED UPLAND FOREST, CHAPARRAL, CLOSED-CONE CONIF FOR, CISMONTANE WDLND, N COAST CONIF FOR, RIP FOR, RIP WDLND.  
Micro: ON BRUSHY SLOPES, MESIC SITES; MOSTLY IN MIXED EVERGREEN & FOOTHILL WOODLAND COMMUNITIES. 30-550M.

Occurrence No. 32 Map Index:28670      Dates Last Seen— Lat/Long: 38°21'26" / 122°59'52"  
 Occ Rank: Unknown Element: 1969-02-23 UTM: Zone-10 N4245233 E500199  
 Origin: Natural/Native occurrence Site: 1969-02-23 Precision: NON-SPECIFIC  
 Presence: Presumed Extant Symbol Type: POLYGON  
 Trend: Unknown Area: 24.7 ac Township: 06N  
 Main Source: STEBBINS & KNIGHT #2611 CAS (HERB) Section: 10W  
 Quad Summary: VALLEY FORD (3812238/502C)\*, BODEGA HEAD (3812331/503D) Meridian: M  
 County Summary: SONOMA Elevation: 100 ft  
 SNA Summary:  
 Location: NORTH-SIDE OF SALMON CREEK ROAD ABOUT 2.3 MILES FROM MAIN INTERSECTION IN BODEGA (TOWN).  
Comments  
 Distribution: MAPPED ABOUT 2.3 ROAD MILES WNW OF BODEGA ALONG SALMON CREEK ROAD.  
 Ecological:  
 Threat:  
 General: MAIN SOURCE OF INFORMATION FOR THIS SITE IS 1969 COLLECTION BY STEBBINS AND KNIGHT (#2611 CAS). A 1942 COLLECTION BY BAKER (#16196 CAS) FROM "2 MILES WEST OF BODEGA TOWN..." IS ALSO ATTRIBUTED TO THIS SITE.  
 Owner/Manager: UNKNOWN

Occurrence No. 33 Map Index:28669      Dates Last Seen— Lat/Long: 38°21'25" / 123°00'18"  
 Occ Rank: Good Element: 1993-02-24 UTM: Zone-10 N4245226 E499574 Township: 06N  
 Origin: Natural/Native occurrence Site: 1993-02-24 Precision: SPECIFIC Range: 10W  
 Presence: Presumed Extant Symbol Type: POINT Section: XX Qtr XX  
 Trend: Unknown Radius: 80 meters Meridian: M  
 Main Source: GUGGOLZ, B. & J. GUGGOLZ 1993 (OBS) Elevation: 100 ft  
 Quad Summary: BODEGA HEAD (3812331/503D)  
 County Summary: SONOMA  
 SNA Summary:  
 Location: NORTH-SIDE OF SALMON CREEK ROAD ABOUT 0.35 MILE WEST OF FITZPATRICK LANE AND ABOUT 3 MILES WEST OF BODEGA.  
Comments  
 Distribution: SITE IS A NARROW LEVEL STRIP ADJACENT BY A VERY STEEP SLOPE.  
 Ecological: EVERGREEN AND DECIDUOUS TREES WITH A DENSE UNDERSTORY OF SHRUBS. ASSOCIATED WITH PSEUDOTSUGA MENZIESII, QUERCUS AGRIFOLIA, UMBELLULARIA CALIFORNICA, TOXICODENDRON DIVERSILOBUM, PLANTAGO LANCEOLATA, AND SATUREJA DOUGLASII.  
 Threat: POSSIBLE THREAT FROM GRAZING, LOGGING, AND HOUSING.  
 General: 35 PLANTS OBSERVED IN 1993. CURRENT OWNER IS CONSIDERING A CONSERVATION EASEMENT (GUGGOLZ AND GUGGOLZ 1993).  
 Owner/Manager: PVT

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CAREX COMOSA  
BRISTLY SEDGE  
Element Code: PMCYP032Y0

—List Status—  
Federal: None  
State: None

NDDB Element Ranks—  
Global: G5  
State: S2?

Other Lists—  
CNPS List: 2  
R-E-D Code: 3-3-1

—Habitat Associations—

General: MARSHES AND SWAMPS. FAIRLY WIDELY DISTRIBUTED, BUT APPARENTLY RARELY COLLECTED.  
Micro: LAKE MARGINS, WET PLACES; SITE BELOW SEA LEVEL IS ON A DELTA ISLAND. -5-1005M.

Occurrence No. 6 Map Index: 35195

—Dates Last Seen—

Lat/Long: 38°20'32" / 123°02'26"

UTM: Zone-10 N4243572 E496453

Township: 06N

Range: 11W

Occ Rank: Unknown

Origin: Natural/Native occurrence

Element: XXXX-XX-XX

Precision: NON-SPECIFIC

Section: XX Qtr XX

Presence: Presumed Extant

Symbol Type: POINT

Meridian: M

Trend: Unknown

Radius: 1 mile

Elevation: 100 ft

Main Source: HICKMAN, J. (ED) 1993 (LIT)

Quad Summary: BODEGA HEAD (3812331/503D)

County Summary: SONOMA

SNA Summary:

Location: BODEGA BAY.

Comments:

Distribution: EXACT LOCATION UNKNOWN. MAPPED NEAR TOWN OF BODEGA BAY.

Ecological:

Threat:

General: MAIN SOURCE OF INFORMATION FOR THIS OCCURRENCE IS SITE NAME IN "THE JEPSON MANUAL" (1993).

Owner/Manager: UNKNOWN

California Department of Fish and Game  
Natural Diversity Data Base

Full Condensed Report – Multiple Records per Page

ALLIUM PENINSULARE VAR FRANCISCANUM  
FRANCISCAN ONION  
Element Code: PMLIL021R1

—List Status—  
Federal: None  
State: None

NDDB Element Ranks—  
Global: G5T2  
State: S2.2

Other Lists—  
CNP List: 1B  
R-E-D Code: 2-2-3

Habitat Associations

General: CISMONTANE WOODLAND, VALLEY AND FOOTHILL GRASSLAND.  
Micro: CLAY SOILS; OFTEN ON SERPENTINE. DRY HILLSIDES. 100-300M.

Occurrence No. 12      Map Index: 45131      —Dates Last Seen—      Lat/Long: 38°21'54" / 123°04'09"  
Occ Rank: Unknown      Element: 1938-07-04      UTM: Zone-10 N4246131 E493941  
Origin: Natural/Native occurrence      Site: 1938-07-04      Precision: NON-SPECIFIC  
Presence: Presumed Extant      Symbol Type: POINT  
Trend: Unknown      Radius: 1/5 mile

Main Source: ROBBINS, G. #271 UC #1084425 (HERB)  
Quad Summary: BODEGA HEAD (3812331/503D)

County Summary: SONOMA

SNA Summary:  
Location: 3 MI N OF BODEGA BAY, ON OCEAN CLIFFS.

Comments

Distribution: MAPPED 3 MI N OF BODEGA BAY ALONG ROAD BY CNDBB.

Ecological: OCEAN CLIFFS.

Threat:

General: NEEDS FIELDWORK.

Owner/Manager: UNKNOWN

Township: 06N  
Range: 11W  
Section: 16 Qtr NE  
Meridian: M  
Elevation: 40 ft

California Department of Fish and Game  
Natural Diversity Data Base

Full Condensed Report – Multiple Records per Page

AGROSTIS BLASDALEI  
BLASDALE'S BENT GRASS  
Element Code: PMPOA04060

—List Status—  
Federal: None  
State: None

NDDB Element Ranks  
Global: G2  
State: S2.2

Other Lists  
CNPS List: 1B  
R-E-D Code: 3-2-3

—Habitat Associations—

General: COASTAL DUNES, COASTAL BLUFF SCRUB, COASTAL PRAIRIE. INCLUDES AGROSTIS BLASDALEI VAR. MARINENSIS, STATE-LISTED RARE.  
Micro: SANDY OR GRAVELLY SOIL CLOSE TO ROCKS; OFTEN IN NUTRIENT-POOR SOIL WITH SPARSE VEGETATION. 5-150M.

Occurrence No. 18 Map Index: 41444

Occ Rank: Unknown

Origin: Natural/Native occurrence

Presence: Presumed Extant

Trend: Unknown

Main Source: CONNERS, P. 1999 (PERS)

Quad Summary: BODEGA HEAD (3812331/503D)

County Summary: SONOMA

SNA Summary:

Location: BODEGA BAY MARINE LAB, BODEGA BAY.

Comments

Distribution: POPULATION IS CENTERED AROUND HORSESHOE COVE. HISTORIC COLLECTION FROM VAGUE LOCALITY "DEATH ROCK, BODEGA PARK" BY F. HOFFMAN (#2208 UC) IN 1943 MAY HAVE BEEN FROM THE SAME AREA.

Ecological: GROWING AMONG ROCKS.

Threat:

General: AGROSTIS BLASDALEI HAS BEEN REPORTED FROM THE MARINE LAB BY P. CONNERS.

Owner/Manager: UCLWRS-BODEGA MARINE RESERVE

—Dates Last Seen—

Element: 199X-XX-XX

Site: 199X-XX-XX

Lat/Long: 38°19'01" / 123°04'05"

UTM: Zone-10 N4240780 E494048

Precision: NON-SPECIFIC

Symbol Type: POINT

Radius: 1/5 mile

Township: 06N

Range: 11W

Section: 33 Qtr XX

Meridian: M

Elevation: 50 ft



# Inventory of Rare and Endangered Plants v7-06c 7-11-06

Status: Search Results - Fri, Jul. 14, 2006 13:44 c

+ "Bodega Head (503D) 3812331"

Tip: Having trouble with a multi-word search? Try a single word, e.g. ginger or cobra.[\[all tips and help.\]](#) [\[search history\]](#)

**Hits 1 to 19 of 19**

Requests that specify topo quads will return only Lists 1-3.

To save selected records for later study, click the ADD button.

Selections will appear in a new window.

open	save	hits	scientific	common	family	CNPS
	<input type="checkbox"/>	1	<u><a href="#">Agrostis blasdalei</a></u>	Blasdale's bent grass	Poaceae	List 1B.2
	<input type="checkbox"/>	1	<u><a href="#">Allium peninsulare</a></u> var. <u><a href="#">franciscanum</a></u>	Franciscan onion	Liliaceae	List 1B.2
	<input type="checkbox"/>	1	<u><a href="#">Amorpha californica</a></u> var. <u><a href="#">napensis</a></u>	Napa false indigo	Fabaceae	List 1B.2
	<input type="checkbox"/>	1	<u><a href="#">Calystegia purpurata</a></u> ssp. <u><a href="#">saxicola</a></u>	coastal bluff morning-glory	Convolvulaceae	List 1B.2
	<input type="checkbox"/>	1	<u><a href="#">Carex comosa</a></u>	bristly sedge	Cyperaceae	List 2.1
	<input type="checkbox"/>	1	<u><a href="#">Chorizanthe cuspidata</a></u> var. <u><a href="#">villosa</a></u>	woolly-headed spineflower	Polygonaceae	List 1B.2
	<input type="checkbox"/>	1	<u><a href="#">Cordylanthus maritimus</a></u> ssp. <u><a href="#">palustris</a></u>	Point Reyes bird's-beak	Scrophulariaceae	List 1B.2
	<input type="checkbox"/>	1	<u><a href="#">Delphinium luteum</a></u>	yellow larkspur	Ranunculaceae	List 1B.1
	<input type="checkbox"/>	1	<u><a href="#">Dirca occidentalis</a></u>	western leatherwood	Thymelaeaceae	List 1B.2
	<input type="checkbox"/>	1	<u><a href="#">Gilia capitata</a></u> ssp. <u><a href="#">chamissonis</a></u>	dune gilia	Polemoniaceae	List 1B.1
	<input type="checkbox"/>	1	<u><a href="#">Gilia millefoliata</a></u>	dark-eyed gilia	Polemoniaceae	List 1B.2
	<input type="checkbox"/>	1	<u><a href="#">Horkelia marinensis</a></u>	Point Reyes horkelia	Rosaceae	List 1B.2
	<input type="checkbox"/>	1	<u><a href="#">Lasthenia macrantha</a></u> ssp. <u><a href="#">macrantha</a></u>	perennial goldfields	Asteraceae	List 1B.2
	<input type="checkbox"/>	1	<u><a href="#">Lupinus tidestromii</a></u>	Tidestrom's lupine	Fabaceae	List 1B.1
	<input type="checkbox"/>	1	<u><a href="#">Monardella villosa</a></u> ssp. <u><a href="#">globosa</a></u>	robust monardella	Lamiaceae	List 1B.2
	<input type="checkbox"/>	1	<u><a href="#">Polygonum marinense</a></u>	Marin knotweed	Polygonaceae	List 3.1
	<input type="checkbox"/>	1	<u><a href="#">Sidalcea hickmanii</a></u> ssp. <u><a href="#">viridis</a></u>	Marin checkerbloom	Malvaceae	List 1B.3
	<input type="checkbox"/>	1	<u><a href="#">Sidalcea malviflora</a></u> ssp. <u><a href="#">purpurea</a></u>	purple-stemmed checkerbloom	Malvaceae	List 1B.2
	<input type="checkbox"/>	1	<u><a href="#">Triquetrella californica</a></u>	coastal triquetrella	Pottiaceae	List 1B.2

To save selected records for later study, click the ADD button.

ADD checked items to Plant Press     check all     check none

Selections will appear in a new window.

No more hits.





# Inventory of Rare and Endangered Plants v7-06c 7-11-06

Status: Search Results - Fri, Jul. 14, 2006 13:46 c

{QUADS\_123} =~ m\^(503D)\\*/

[Search](#)

Tip: Words meant to be searched as a unit should be wrapped in quotes, e.g., "coastal dunes". [all tips and help.] [search history]

## Hits 1 to 4 of 4

Requests that specify topo quads will return only Lists 1-3.

To save selected records for later study, click the ADD button.

[ADD checked items to Plant Press](#) [check all](#) [check none](#)

Selections will appear in a new window.

open	save	hits	scientific	common	family	CNPS
	<input type="checkbox"/>	1	<u><a href="#">Abronia umbellata ssp. breviflora</a></u>	pink sand-verbena	Nyctaginaceae	List 1B.1
	<input type="checkbox"/>	1	<u><a href="#">Campanula californica</a></u>	swamp harebell	Campanulaceae	List 1B.2
	<input type="checkbox"/>	1	<u><a href="#">Gilia capitata ssp. tomentosa</a></u>	woolly-headed gilia	Polemoniaceae	List 1B.1
	<input type="checkbox"/>	1	<u><a href="#">Lasthenia macrantha ssp. bakeri</a></u>	Baker's goldfields	Asteraceae	List 1B.2

No more hits.



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# Inventory of Rare and Endangered Plants v7-06c 7-11-06

Status: Search Results - Fri, Jul. 14, 2006 13:47 c

+ "Bodega Head (503D)? 3812331"

[Search](#)

Tip: Want to search by county? Try the [county index](#). [[all tips and help](#).] [[search history](#)]

## Hits 1 to 2 of 2

Requests that specify topo quads will return only Lists 1-3.

To save selected records for later study, click the ADD button.

[ADD checked items to Plant Press](#)

check all

check none

Selections will appear in a new window.

open	save	hits	scientific	common	family	CNPS
	<input type="checkbox"/>	1	<u><a href="#">Chorizanthe cuspidata</a></u> var. <u><a href="#">cuspidata</a></u>	San Francisco Bay spineflower	Polygonaceae	List 1B.2
	<input type="checkbox"/>	1	<u><a href="#">Lupinus eximius</a></u>	San Mateo tree lupine	Fabaceae	List 3.2

No more hits.



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# Inventory of Rare and Endangered Plants v7-06c 7-11-06

Status: Search Results - Fri, Jul. 14, 2006 13:46 c

{QUADS\_123} =~ m/(503D)\|(\\*\?/

[Search](#)

Tip: Want to search by habitat? Try the [Checkbox](#) and [Preset](#) search page.[\[all tips and help\]](#) [\[search history\]](#)

Hits 1 to 1 of 1

Requests that specify topo quads will return only Lists 1-3.

To save selected records for later study, click the ADD button.

[ADD checked items to Plant Press](#)  [check all](#)  [check none](#)

Selections will appear in a new window.

open	save	hits	scientific	common	family	CNPS
	<input type="checkbox"/>	1	<a href="#"><u>Cirsium andrewsii</u></a>	Franciscan thistle	Asteraceae	List 1B.2

No more hits.



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# VASCULAR PLANTS OF BODEGA HEAD & BODEGA DUNES

## **PTERIDOPHYTES**

### AZOLLACEAE

**Azolla filiculoides** Lam.  
Water fern. Native perennial.

### BLECHNACEAE

**Woodwardia fimbriata** Smith  
Giant chain fern. Native perennial.

### DENNSTAEDTIACEAE

**Pteridium aquilinum** (L.) Kuhn var. **pubescens**  
Underwood  
Bracken fern. Native perennial.

### DRYOPTERIDACEAE

**Athyrium filix-femina** (L.) Roth. var. **cyclosorum**  
Rupr.  
Lady fern. Native perennial.

**Polystichum munitum** (Kaulf.) Presl.  
Sword fern. Native perennial.

### EQUISETACEAE

**Equisetum arvense** L.  
Common horsetail. Native perennial.

**Equisetum hyemale** (L.) ssp. **affine** (Engelmann)  
[**Equisetum hyemale** L. var. **robustum** A.A.  
Eat.]  
Giant scouring rush. Native perennial.

**Equisetum telmateia** Ehr. ssp. **braunii** Milde.  
Giant horsetail. Native perennial.

### POLYPODIACEAE

**Polypodium calirhiza** Whitmore and Smith  
Polypody fern. Native perennial.

**Polypodium scouleri** Hook. and Greville.  
Leather fern. Native perennial.

### PTERIDACEAE

**Pentagramma triangularis** (Kaulf.) Yats., Wind.  
Woll. [**Pityrogramma triangularis** (Kaulf.)  
Maxon]  
Goldback fern. Native perennial.

## **GYMNOSPERMS**

### CUPRESSACEAE

**Cupressus macrocarpa** Hartw. ex Gordon.  
Monterey cypress. Introduced perennial.

### PINACEAE

**Pinus muricata** D. Don  
Bishop pine. Native Perennial.

**Pinus radiata** D. Don  
Monterey pine. Introduced Perennial.

**Pseudotsuga menziesii** (Mirbel) Franco var.  
**menziesii**  
Douglas fir. Native perennial.

## **FLOWERING PLANTS: DICOTS**

### AIZOACEAE

**Carpobrotus chilensis** (Molina) Brown  
[**Mesembryanthemum chilense** Mol.,  
**Carpobrotus aequilaterus** (Haworth) Brown]  
Sea fig, Ice plant. Introduced perennial.

**Carpobrotus edulis** (L.) Brown  
[**Mesembryanthemum edule** L.]  
Ice Plant, Hottentot Fig. Introduced perennial.

**Tetragonia tetragonoides** (Pallas) Kuntze

New Zealand spinach. Introduced annual.

### ANACARDIACEAE

**Toxicodendron diversilobum** (T & G.) Greene  
[**Rhus diversiloba** T & G.]  
Poison oak. Native perennial.

### APIACEAE

**Angelica hendersonii** Coulte. & Rose  
Native perennial.

**Anthriscus caucalis** Bieberstein  
[**Anthriscus scandicina** (Weber) Mansf.]  
Bur chervil. Introduced annual.

**Berula erecta** (Huds.) Cov.  
Water parsnip. Introduced perennial.

**Conium maculatum** L.  
Poison hemlock. Introduced biennial.

**Daucus pusillus** Michx.  
Rattlesnake weed. Native annual.

**Foeniculum vulgare** Mill.  
Sweet fennel. Introduced biennial or  
perennial.

**Heracleum lanatum** Michx.  
Cow parsnip. Native perennial.

**Hydrocotyle ranunculoides** L.  
Marsh pennywort. Native perennial.

**Hydrocotyle verticillata** Thunberg  
Marsh pennywort. Native perennial.

**Ligusticum apiifolium** (Nutt.) A. Gray  
Lovage. Native perennial.

**Oenanthe sarmentosa** Presl.  
Native perennial.

**Sanicula arctopoides** H. & A.  
Footsteps of spring. Native perennial.

**Sanicula crassicaulis** DC.  
Native perennial.

**Scandix pecten-veneris** L.  
Shepherd's needle. Introduced annual.

**Yabea microcarpa** (H. & A.) Koso-Polj.  
Native annual.

### APOCYNACEAE

**Vinca major** L.  
Periwinkle. Introduced perennial.

### ASTERACEAE

**Achillea millefolium** L.  
Yarrow. Native perennial.

**Agoseris apargioides** (Less.) Greene var.  
**apargioides**  
Seaside Agoseris. Native perennial.

**Agoseris apargioides** (Less.) Greene var.  
**eastwoodiae** (Fedde) Munz  
[**A. a. maritima** (Sheld.) Jones]  
Beach dandelion. Native perennial.

**Agoseris grandiflora** (Nutt.) Greene  
Grand mountain dandelion. Native perennial.

**Ambrosia chamissonis** (Less.) Greene  
Beach bur. Native perennial.

**Anaphalis margaritacea** (L.) B. & H.  
Pearly everlasting. Native perennial.

**Anthemis cotula** L.  
Stinkweed. Introduced annual.

**Arctotheca calendula** (L.) Levyns  
Capeweed. Introduced perennial.

**Artemisia douglasiana** Bess.  
Mugwort. Native perennial.

**Artemisia pycnocephala** (Lessing) DC.  
Beach sagewort. Native perennial.

**Aster chilensis** Nees  
Wild aster. Native perennial.

**Baccharis pilularis** DC.  
Coyote brush. Native perennial.

**Carduus pycnocephalus** L.  
Italian thistle. Introduced annual.

**Carduus tenuiflorus** Curtis  
Slender-flowered thistle. Introduced annual.

**Centaurea melitensis** L.  
Tocalote, Napa Star Thistle. Introduced annual.

**Centaurea solstitialis** L.  
Yellow star thistle, Barnaby's thistle.  
Introduced annual.

**Chamomilla saevoeolens** (Pursh) Rydb.  
Pineapple weed, Chamomile. Introduced  
annual.

**Cichorium intybus** L.  
Chicory. Introduced perennial.

**Cirsium brevistylum** Cronq.  
Indian thistle. Native annual or biennial.

**Cirsium douglasii** DC. var. **douglasii**  
Swamp thistle. Native perennial.

**Cirsium occidentale** (Nutt.) Jeps.  
Cobweb thistle. Native perennial.

**Cirsium quercetorum** (Gray) Jepson  
Brownie thistle. Native perennial.

### Cirsium quercetorum X occidentale

**Cirsium vulgare** (Savi) Ten.  
Bull thistle. Introduced biennial.

**Conyza bilboaana** Remy  
Introduced annual.

**Conyza canadensis** (L.) Cronq.  
Horseweed. Native annual.

**Cotula coronopifolia** L.  
Brass buttons. Introduced perennial.

**Delairea odorata** Lemaire  
[**Senecio mikanioides** L.]  
Cape Ivy. Introduced perennial.

**Erechtites glomerata** (Poirer) DC.  
[**E. arguta** (Rich.) DC.]  
Fireweed. Introduced annual.

**Erechtites minima** (Poirer) DC.  
[**E. prenanthoides** (Rich.) DC.]  
Fireweed. Introduced annual.

**Ericameria ericoides** (Less.) Jepson  
[**Haplopappus ericoides** (Less.) H. & A.]  
Native perennial.

**Erigeron foliosus** Nutt. var. **franciscensis** Nesom  
Fleabane daisy. Native perennial.

**Erigeron glaucus** Ker.  
Seaside daisy. Native perennial.

**Eriophyllum lanatum** (Pursh) Forbes var.  
**arachnoideum** (F. and A-L.) Jepson  
Woolly sunflower. Native perennial.

**Eriophyllum staechadifolium** Lagasca  
Lizard tail. Native perennial.

**Filago gallica** L.  
Introduced annual.

**Gnaphalium californicum** DC.  
Sticky everlasting. Native biennial.

- Gnaphalium luteo-album** L.  
Cudweed. Introduced annual.
- Gnaphalium purpureum** L.  
Spoonleaf everlasting. Native annual or biennial.
- Gnaphalium ramosissimum** Nutt.  
Pink cudweed. Native annual or biennial.
- Gnaphalium stramineum** Kunth.  
Cudweed, Woolly everlasting. Native annual or biennial.
- Grindelia stricta** DC. var. *angustifolia* (Gray)  
Lane  
Marsh gumplant. Native perennial.
- Grindelia stricta** DC. var. *platyphylla* (Greene)  
Lane  
Coastal gumplant. Native perennial.
- Hedypnois cretica** (L.) Willdenow  
Introduced annual.
- Helenium puberulum** DC.  
Sneezeweed. Native perennial.
- Hesperevax sparsiflora** (Gray) Greene  
[*Eanax sparsiflora* (Gray) Jepson]  
Native annual.
- Hypochaeris glabra** L.  
Smooth cat's ear. Introduced annual.
- Hypochaeris radicata** L.  
Hairy cat's ear. Introduced perennial.
- Jaumea carnosa** (Less.) Gray  
Native perennial.
- Lasthenia californica** DC.  
[*Lasthenia chrysostoma* (F. & M.) Greene]  
Goldfields. Native annual.
- Lasthenia minor** (DC.) Ornduff  
Goldfields. Native annual.
- Layia platyglossa** (F. & M.) Gray  
Tidy tips. Native annual.
- Leontodon taraxacoides** (Villars) Merat.  
[*Leontodon leysseri* (Wall.) Beck]  
Hawkbit. Introduced perennial.
- Madia sativa** Mol.  
Coast tarweed. Native annual.
- Microseris bigelovii** (Gray) Schultze-Bip.  
Native annual.
- Picris echoioides** L.  
Ox tongue. Introduced perennial.
- Psilocarphus brevissimus** Nutt.  
Woolly marbles. Native annual.
- Senecio elegans** L.  
Purple ragwort. Introduced annual.
- Senecio sylvaticus** L.  
Introduced annual.
- Senecio vulgaris** L.  
Common groundsel. Introduced annual.
- Silybum marianum** (L.) Gaertner  
Milk thistle. Introduced annual or biennial.
- Solidago californica** Nutt.  
California goldenrod. Native perennial.
- Soliva sessilis** Ruiz & Pavon  
[*Soliva daucifolia* Nutt.]  
Introduced annual.
- Sonchus asper** (L.) Hill ssp. *asper*  
Prickly sow thistle. Introduced annual.
- Sonchus oleraceus** L.  
Common sow thistle. Introduced annual.
- BERBERIDACEAE**
- Berberis pinnata** Lag.  
California Barberry. Native perennial.
- BORAGINACEAE**
- Amsinckia menziesii** (Lehm.) Nels. and Macbr.  
Fiddleneck. Native annual.
- Amsinckia spectabilis** F. & M.  
Seaside Fiddleneck. Native annual.
- Cryptantha leiocarpa** (F. & M.) Greene  
Coast Cryptantha. Native annual.
- Echium candicans** L.  
Pride of Madeira. Introduced perennial.
- Heliotropium curassavicum** L.  
Salt heliotrope. Native perennial.
- Myosotis discolor** Pers.  
Forget-me-not. Introduced annual or biennial.
- Plagiobothrys reticulatus** (Piper) Johnston var. *reticulatus*  
Native annual.
- Plagiobothrys stipitatus** (Greene) Johnston var. *stipitatus*  
Native annual.
- Plagiobothrys stipitatus** var. *micranthus* (Piper)  
Johnston  
Native annual.
- Plagiobothrys tenellus** (Nutt.) Gray  
Native annual.
- BRASSICACEAE**
- Arabis blepharophylla** H. & A.  
Rock cress. Native perennial.
- Arabis glabra** (L.) Benth. var. *glabra*  
Native biennial.
- Barbarea orthoceras** Ledebour  
Winter cress. Native biennial or perennial.
- Brassica nigra** (L.) Koch  
Black mustard. Introduced annual.
- Brassica rapa** L.  
[*Brassica campestris* L.]  
Field mustard. Introduced annual.
- Cakile maritima** Scop.  
Sea rocket. Introduced annual.
- Capsella bursa-pastoris** (L.) Medicus  
Shepherd's purse. Introduced annual.
- Cardamine oligosperma** Nutt.  
Bitter cress. Native annual or biennial.
- Cardamine californica** (T and G) Greene var. *sinuata* (Greene) Schulz  
Milkmuids. Native perennial.
- Coronopus didymus** (L.) Smith  
Wart cress. Introduced annual or perennial.
- Erysimum menziesii** (Hook.) ssp. *eurekense* Price  
Menzies' wallflower. Native biennial, experimentally introduced to Bodega Head.
- Guillenia lasiophylla** (H. and A.) Greene.  
[*Thelypodium lasiophyllum* (H. & A.) Greene]. California mustard. Native annual.
- Lepidium latifolium** L.  
Perennial pepperweed. Introduced perennial.
- Lepidium nitidum** Torrey & Gray  
Shining peppergrass. Native annual.
- Lobularia maritima** L.  
Sweet alyssum. Introduced perennial.
- Raphanus sativus** L.  
Wild radish. Introduced annual or biennial.
- Rorippa curvisiliqua** (Hooker) Bessey  
Yellow cress. Native annual or biennial.
- Rorippa nasturtium-aquaticum** (L.) Hayek.  
Water cress. Native perennial.
- CALYSTEGIACEAE**
- Calystegia purpurata** (Greene) Brummitt  
ssp. *saxicola* (Eastwood) Brummitt  
Morning-glory. Native perennial.
- Calystegia soldanella** (L.) R.Br.  
Beach morning glory. Native perennial.
- Convolvulus arvensis** L.  
Bindweed. Introduced perennial.
- Dichondra donelliana** Tharp & Johnston  
Native perennial.
- CAPRIFOLIACEAE**
- Lonicera hispida** (Lindley) Douglas var. *vacillans* (Benth.) Gray  
California honeysuckle. Native perennial.
- Lonicera involucrata** (Rich.) Banks var. *ledebourii* (Esch.) Zabel  
Twinberry. Native perennial.
- CARYOPHYLLACEAE**
- Cardionema ramosissimum** (Weinm.) Nels. & Macbr.  
Sand mat. Native perennial.
- Cerastium arvense** L.  
Meadow chickweed. Native perennial.
- Cerastium glomeratum** Thuillier  
Mouse-eared chickweed. Introduced annual.
- Polycarpon tetraphyllum** L.  
Introduced annual.
- Sagina apetala** Arduino  
Sticky pearlwort. Native annual.
- Sagina maxima** Gray ssp. *crassicaulis* (Watson)  
Crow  
Pearlwort. Native perennial.
- Silene gallica** L.  
Windmill pink. Introduced annual.
- Spergula arvensis** L. ssp. *arvensis*  
Spurrey. Introduced annual.
- Spergularia macrotheca** (Hornem.) Heynh.  
Sand-spurrey. Native perennial.
- Spergularia rubra** (L.) J. & C. Presl.  
Sand-spurrey. Introduced annual.
- Stellaria littoralis** Torrey  
Native perennial.
- Stellaria media** (L.) Villars  
Chickweed. Introduced annual.
- Stellaria pallida** (Dumort.) Pire  
Chickweed. Introduced annual.
- CHENOPODIACEAE**
- Atriplex californica** Moquin-Tandon  
Native perennial.
- Atriplex leucophylla** (Moquin-Tandon) Dietrich  
Beach saltbush. Native perennial.
- Atriplex patula** L. var. *obtusa* (Cham.) C. Hitchc.  
Spear oracle. Native annual.
- Atriplex triangularis** Willd.  
Spearscale. Native annual.
- Chenopodium album** L.  
Pigweed. Introduced perennial.
- Chenopodium ambrosioides** L.  
Mexican tea. Introduced annual or perennial.
- Chenopodium californicum** (Wats.) Wats.  
Pigweed. Native perennial.
- Salicornia virginica** L.  
Pickleweed. Native perennial.
- Salsola soda** L.  
Introduced annual.
- CONVOLVULACEAE**
- Calystegia purpurata** (Greene) Brummitt  
ssp. *saxicola* (Eastwood) Brummitt  
Morning-glory. Native perennial.
- Calystegia soldanella** (L.) R.Br.  
Beach morning glory. Native perennial.
- Convolvulus arvensis** L.  
Bindweed. Introduced perennial.
- Dichondra donelliana** Tharp & Johnston  
Native perennial.
- CRASSULACEAE**

- Crassula aquatica** (L.) Scheonland  
[*Tillea aquatica* L.] Native annual.
- Crassula connata** (Ruiz, Lopez & Pavon) Berger  
[*Tillaea erecta* Hook. & Arn.] Sand pygmy weed. Native annual.
- Crassula tillaea** Lester-Garl.  
[*Tillaea muscosa* L.] Introduced annual.
- Dudleya farinosa** (Lindl.) Britt. and Rose  
Live forever. Native perennial.
- CUCURBITACEAE**
- Marah fabaceus** (Naud.) E.Greene  
Manroot. Native perennial.
- CUSCUTACEAE**
- Cuscuta californica** Hook. & Arn. var. *breviflora* Engelm. [*C. occidentalis* Millsp.] Dodder. Native perennial.
- Cuscuta salina** Engelm. var. *major* Yuncker Dodder. Native perennial.
- Cuscuta salina** Engelm. var. *papillata* Yuncker Dodder. Native perennial.
- DIPSACACEAE**
- Dipsacus sativus** (L.) Honck.  
Teasel. Introduced biennial.
- EUPHORBIACEAE**
- Euphorbia lathyris** L.  
Caper spurge. Introduced perennial.
- FABACEAE**
- Genista monspessulana** (L.) Johnson  
[*Cytisus monspessulanus* L.] French broom. Introduced perennial.
- Lathyrus latifolius** L.  
Everlasting pea. Introduced perennial.
- Lotus angustissimus** L.  
Introduced annual.
- Lotus corniculatus** L.  
Birdsfoot trefoil. Introduced perennial.
- Lotus formosissimus** E. Greene  
Native perennial.
- Lotus heermanii** (Dur. and Hilg.) Greene var. *orbicularis* (Gray) Iseley  
Native perennial.
- Lotus micranthus** Bentham  
Native annual.
- Lotus strigosus** (Nutt. in T. & G.) Greene  
Native annual.
- Lotus uliginosus** Schk.  
Introduced perennial.
- Lotus wrangelianus** Fisher & Meyer  
[*Lotus subpinnatus* Lag.] California lotus. Native annual.
- Lupinus arboreus** Sims  
Bush lupine. Native perennial.
- Lupinus bicolor** Lindley  
Miniature lupine. Native annual.
- Lupinus chamissonis** Esch.  
Silver bush lupine. Native perennial.
- Lupinus microcarpus** Sims var. *microcarpus* [*Lupinus densiflorus* Benth. var. *palustris* (Kell.) C.P.] Chick lupine. Native annual.
- Lupinus nanus** Benth.  
Sky lupine. Native annual.
- Lupinus variicolor** Steudel  
Blufftop lupine. Native perennial.
- Medicago arabica** L.  
Spotted burclover. Introduced annual.
- Medicago lupulina** L.  
Black medick. Introduced annual.
- Medicago polymorpha** L.  
Burclover. Introduced annual.
- Melilotus alba** Medikus  
White sweet clover. Introduced annual or biennial.
- Melilotus indica** (L.) All.  
Sour clover. Introduced annual.
- Trifolium amoenum** Greene  
Showy Indian clover. Native annual, experimentally introduced to Bodega Head.
- Trifolium barbigerum** Torr. var. *barbigerum* Colony clover. Native annual.
- Trifolium bifidum** Gray var. *decipiens* Greene Native annual.
- Trifolium campestre** Schreber  
Hop clover. Introduced annual.
- Trifolium dubium** Sibth.  
Little hop clover. Introduced annual.
- Trifolium fragiferum** L.  
Strawberry clover. Introduced perennial.
- Trifolium fucatum** Lindl.  
Bull clover. Native annual.
- Trifolium glomeratum** L.  
Introduced annual.
- Trifolium gracilentum** Torrey and Gray  
Pinpoint clover. Native annual.
- Trifolium hirtum** All.  
Rose clover. Introduced annual.
- Trifolium macraei** Hooker and Arnott  
Twin-headed clover. Native annual.
- Trifolium microcephalum** Pursh.  
Native annual.
- Trifolium microdon** Hooker & Arnott  
Muffin-cup clover. Native annual.
- Trifolium repens** L.  
White clover. Introduced perennial.
- Trifolium subterraneum** L.  
Subterranean clover. Introduced annual.
- Trifolium variegatum** Nutt.  
Native annual.
- Trifolium waldenovii** Sprengel  
Tomcat clover. Native annual.
- Trifolium wormskioldii** Lehm.  
Cow clover. Native perennial.
- Vicia americana** Willd. var. *americana*  
American vetch. Native perennial.
- Vicia benghalensis** L.  
Purple vetch. Introduced annual.
- Vicia gigantea** Hooker  
Giant vetch. Native perennial.
- Vicia hirsuta** (L.) Gray  
Vetch. Introduced annual.
- Vicia sativa** L. ssp. *nigra* (L.) Erhart  
Common vetch. Introduced annual.
- Vicia sativa** L. ssp. *sativa*  
Common vetch. Introduced annual.
- Vicia tetrasperma** (L.) Schreber  
Vetch. Introduced annual.
- FRANKENIACEAE**
- Frankenia salina** (Molina) Johnston  
[*Frankenia grandifolia* C & S]
- Native perennial.
- GENTIANACEAE**
- Centaurium muehlenbergii** (Griseb.) Piper  
[*C. floribundum* (Benth.) Robinson.] Canchalagua. Native annual.
- GERANIACEAE**
- Erodium cicutarium** (L.) L'Her.  
Red-stem filaree. Introduced annual.
- Erodium moschatum** (L.) L'Her.  
White-stem filaree. Introduced annual.
- Geranium dissectum** L.  
Introduced annual.
- Geranium molle** L.  
Introduced annual.
- Geranium retrorsum** L'Her.  
Introduced perennial.
- GROSSULARIACEAE**
- Ribes sanguineum** Pursh. var. *glutinosum* (Benth.) Loudon.  
Red flowering currant. Native perennial.
- HIPPURIDACEAE**
- Hippuris vulgaris** L.  
Mare's tail. Native perennial.
- HYDROPHYLACEAE**
- Nemophila menziesii** H. & A.  
Baby blue eyes. Native annual.
- Nemophila pedunculata** Benth.  
Native annual.
- Phacelia californica** Chamisso  
Native perennial.
- Phacelia distans** Bentham  
Wild heliotrope. Native annual.
- LAMIACEAE**
- Marrubium vulgare** L.  
Horehound. Introduced perennial.
- Mentha pulegium** L.  
Pennyroyal. Introduced perennial.
- Monardella villosa** Benth. ssp. *franciscana* (Elmer)  
Jokerst Coyote mint. Native perennial.
- Stachys ajugoides** Benth. var. *rigida* Jepson & Hoover [*Stachys rigida* ssp. *quercetorum* (Heller) Epl.] Hedgenettle. Native perennial.
- LINACEAE**
- Linum bienne** Miller  
[*Linum angustifolium* Hudson] Flax. Introduced perennial.
- LYTHRACEAE**
- Lythrum hyssopifolium** L.  
Loosestrife. Introduced perennial.
- MYOPERACEAE**
- Myoporum laetum** Forst.  
Introduced perennial.
- MYRICACEAE**
- Myrica californica** C. & S.  
Wax myrtle. Native perennial.
- MYRTACEAE**
- Eucalyptus globulus** Labil.  
Blue gum. Introduced perennial.
- NYCTAGINACEAE**
- Abronia latifolia** Esch.

- Sand verbena. Native perennial.
- Abronia umbellata** Lam. ssp. *umbellata*  
Pink sand verbena. Native perennial.
- ONAGRACEAE**
- Camissonia cheiranthifolia** (Sprengel) Raimann  
Beach primrose. Native perennial.
- Camissonia micrantha** (Sprengel) Raven  
Native annual.
- Camissonia strigulosa** (Fisch. & Mey.) Raven  
Native annual.
- Epilobium ciliatum** Raf. ssp. *ciliatum*.  
[*Epilobium adenocaulon* Hausskn. var.  
*occidentale* Trel.]  
Northern willow herb. Native perennial.
- Epilobium ciliatum** Raf. ssp. *watsonii* (Barbey)  
Hoch & Raven [*Epilobium watsonii* Barbey  
var. *franciscanum* (Barbey) Jeps.]  
Western willow herb. Native perennial.
- Oenothera elata** Kunth ssp. *hookeri* (Torrey  
& Gray) Dietrich & Wagner  
Evening primrose. Native perennial.
- OROBANCHACEAE**
- Orobanche californica** Cham. & Schlech.  
Broomrape. Native perennial.
- Orobanche fasciculata** Nutt.  
Clustered broomrape. Native perennial.
- OXALIDACEAE**
- Oxalis albicans** H., B. & K. ssp. *pilosa* (Nutt.) Eiten  
[*Oxalis pilosa* Nutt.]  
Native perennial.
- Oxalis corniculata** L.  
Wood sorrel. Introduced perennial.
- Oxalis pes-caprae** L.  
Bermuda buttercup. Introduced perennial.
- PAPAVERACEAE**
- Eschscholzia californica** Cham.  
California poppy. Native perennial.
- Meconella linearis** (Benth.) Nelson & J.F.Macbr.  
[*M. l.* var. *pulchella* (Greene) Jepson]  
Native annual.
- Platystemon californicus** Benth.  
Cream cups. Native annual.
- PLANTAGINACEAE**
- Plantago coronopus** L.  
Cutleaf plantain. Introduced annual.
- Plantago erecta** (Morris)  
[*Plantago hookeriana* F. & M. var. *californica*  
(Greene) Poe]  
Native annual.
- Plantago lanceolata** L.  
English plantain. Introduced perennial.
- Plantago maritima** L. var. *californica* (Fern.)  
Pilger  
Seaside plantain. Native perennial.
- Plantago maritima** L. var. *juncoides* (Lamarck)  
Gray  
Saltmarsh plantain. Native perennial.
- Plantago subnuda** Pilger  
[*P. hirtella* H., B. & K. var. *galeottiana* (Dec.)  
Pilger]  
Native perennial.
- PLUMBAGINACEAE**
- Armeria maritima** (Miller) Willd. ssp. *californica*  
(Boiss.) Pors.  
Sea pink, thrift. Native perennial.
- Limonium californicum** (Boiss.) Heller  
Sea lavender, Marsh rosemary. Native
- perennial.
- POLEMONIACEAE**
- Gilia capitata** Sims ssp. *chamissonis* (Greene)  
Grant  
Dune gilia. Native annual.
- Gilia millefoliata** Fischer and Meyer  
Native annual.
- Linanthus androsaceus** (Benth.) Greene  
Native annual.
- Navarretia squarrosa** (Esch.) H. & A.  
Skunkweed. Native annual.
- POLYGONACEAE**
- Chorizanthe cuspidata** Wats. var. *villosa* (Eastw.)  
Muñz.  
Spineflower. Native annual.
- Eriogonum latifolium** Smith.  
Wild buckwheat. Native perennial.
- Polygonum amphibium** L. var. *emersum* Michaux  
[*Polygonum coccineum* Muhl.]  
Native perennial.
- Polygonum arenastrum** Boreau.  
Common knotweed, Doorweed. Introduced annual.
- Polygonum marinense** Mertens & Raven  
Native perennial.
- Polygonum paronychia** Cham. & Schlecht.  
Native perennial.
- Pterostegia drymariooides** F. & M.  
Native annual.
- Rumex acetosella** L.  
Sheep sorrel. Introduced perennial.
- Rumex crispus** L.  
Curly dock. Introduced annual.
- Rumex occidentalis** Watson  
[*Rumex fenestratus* Greene]  
Native perennial.
- Rumex pulcher** L.  
Fiddle dock. Introduced perennial.
- Rumex salicifolius** Weinmann var. *crassus* (Rech.)  
Howell  
Native perennial.
- PORTULACACEAE**
- Calandrinia ciliata** (R. & P.) DC.  
Red Maids. Native annual.
- Claytonia perfoliata** Willd. ssp. *perfoliata*  
[*Montia perfoliata* (Donn.) Howell]  
Miner's lettuce. Native annual.
- PRIMULACEAE**
- Anagallis arvensis** L.  
Scarlet pimpernel. Introduced annual.
- RANUNCULACEAE**
- Delphinium decorum** F. & M. ssp. *decorum*  
Coast Larkspur. Native perennial.
- Ranunculus californicus** Benth.  
California buttercup. Native perennial.
- Ranunculus muricatus** L.  
Prickleseed buttercup. Introduced annual or biennial.
- RHAMNACEAE**
- Ceanothus thyrsiflorus** Eschscholtz  
Blue blossom. Native perennial.
- Rhamnus californica** Eschscholtz  
Coffeeberry. Native perennial.
- Rhamnus purshiana** DC.  
Cascara. Native perennial.
- ROSACEAE**
- Acaena pinnatifida** R., L. & P var. *californica*  
(Bitter) Jepson  
[*Acaena californica* Bitter]  
Native perennial.
- Aphanes occidentalis** (Nutt.) Rydberg  
[*Alchemilla occidentalis* Nutt.]  
Western lady's mantle. Native annual.
- Fragaria chiloensis** (L.) Duchesne  
Beach strawberry. Native perennial.
- Fragaria vesca** L.  
Wood strawberry. Native perennial.
- Horkelia californica** ssp. *californica* Cham. &  
Schldl. Native perennial.
- Oemleria cerasiformis** (Hook. & Arn.) Landon  
[*Osmaronia c.* (T. and G.) Greene]  
Oso berry. Native perennial.
- Potentilla anserina** L. ssp. *pacifica* (Howell)  
Rousi  
[*Potentilla egedii* Wormsk. var. *grandis*  
(Rydb.) Howell]  
Silverweed, Cinquefoil. Native perennial.
- Prunus cerasifera** Ehrh.  
Cherry plum. Introduced perennial.
- Rosa eglanteria** L.  
Sweet-brier. Introduced perennial.
- Rubus discolor** Weihe & Nees  
[*Rubus procerus* Mueller]  
Himalaya blackberry. Introduced perennial.
- Rubus spectabilis** Pursh. var. *franciscanus*  
(Rydb.) Howell  
Salmonberry. Native perennial.
- Rubus ursinus** Cham. & Schldl. [*R. vitifolius*].  
California blackberry. Native perennial.
- RUBIACEAE**
- Gallium aparine** L.  
Bedstraw, Goosegrass. Native annual.
- Gallium porrigens** Dempster  
Native perennial.
- Gallium trifidum** L. var. *pacificum* Wiegand  
Native perennial.
- SALICACEAE**
- Salix lasiolepis** Benth. var. *lasiolepis*  
Arroyo willow. Native perennial.
- Salix lasiolepis** Benth. var. *bigelovii* (Torr.) Bebb.  
Arroyo willow. Native perennial.
- Salix lucida** Muhlenb ssp. *lasiandra* (Benth.)  
Murray  
Shining willow. Native perennial.
- Salix sitchensis** Sanson  
Sitka willow. Native perennial.
- SAXIFRAGACEAE**
- Lithophragma affine** Gray  
Woodland star. Native perennial.
- SCROPHULARIACEAE**
- Bellardia trixago** (L.) All.  
Introduced annual.
- Castilleja wightii** Elmer  
Paint brush. Native perennial.
- Cordylanthus maritimus** Nutt. ssp. *palustris*  
(Behr) Chu. and Heck.  
Saltmarsh bird's beak. Native annual.
- Digitalis purpurea** L.  
Foxglove. Introduced biennial or perennial.
- Linaria canadensis** (L.) Dum.-Cours.  
Toadflax. Native annual.
- Mimulus aurantiacus** Curtis

- Bush monkey flower, Sticky monkey flower.  
Native perennial.
- Mimulus guttatus** DC.  
Seep monkey flower. Native perennial.
- Parentucellia latifolia** (L.) Caruel  
Introduced annual.
- Parentucellia viscosa** (L.) Caruel  
Introduced annual.
- Scrophularia californica** Cham. & Schlech.  
Bee plant. Native perennial.
- Triphysaria eriantha** ssp. *rosea* (Gray) Chu. and Heck.  
[*Orthocarpus erianthus* Benth. var. *rosea*]  
Jonny tuck. Native annual.
- Triphysaria pusilla** (Benth.) Chu. and Heck.  
[*Orthocarpus pusillus* Benth.]  
Miniature owl's clover. Native annual.
- Veronica americana** Schwein.  
Speedwell, Brooklime. Native perennial.
- SOLANACEAE**
- Solanum americanum** Miller  
[*Solanum nodiflorum* Jacq.]  
Nightshade. Native annual or perennial.
- TROPAEOLACEAE**
- Tropaeolum majus** L.  
Nasturtium. Introduced perennial.
- ULMACEAE**
- Ulmus pumila** L.  
Siberian elm. Introduced perennial.
- URTICACEAE**
- Hesperocnide tenella** Torrey  
Western nettle. Native annual.
- Urtica dioica** L. ssp. *gracilis* (Alton) Selander  
[*Urtica californica* Greene]  
Stinging nettle. Native perennial.
- Urtica dioica** L. ssp. *holosericea* (Nuttall) Thorne  
[*Urtica holosericea* Nuttall]  
Hoary nettle. Native perennial.
- Urtica urens** L.  
Dwarf nettle. Introduced annual.
- VALERIANACEAE**
- Plectritis brachystemon** Fischer & Meyer  
[*P. magna* (Greene) Suksd.]  
Native annual.
- FLOWERING PLANTS: MONOCOTS**
- ALISMATACEAE**
- Alisma plantago-aquatica** L.  
Water plantain. Native perennial.
- ARACEAE**
- Zantedeschia aethiopica** (L.) Sprengel  
Calla lily. Introduced perennial.
- CYPERACEAE**
- Carex brevicaulis** Mackenzie  
Native perennial.
- Carex comosa** Boott.  
Native perennial.
- Carex dudleyi** Mackenzie  
Native perennial.
- Carex harfordii** Mackenzie  
Native perennial.
- Carex ovalis** Good. [*C. leporina* L.]  
[*C. tracyi* Mackenzie]  
Native perennial.
- Carex obnupta** Bailey
- Native perennial.
- Carex subbracteata** Mackenzie  
Native perennial.
- Carex tumulicola** Mackenzie  
Native perennial.
- Cyperus eragrostis** Lamarck  
Umbrella sedge. Native perennial.
- Eleocharis macrostachya** Britton  
[*Eleocharis palustris*]  
Native perennial.
- Eleocharis rostellata** (Torrey) Torrey  
Walking sedge. Native perennial.
- Scirpus acutus** Bigelow var. *occidentalis*  
(S. Watson) Beetle  
Common tule. Native perennial.
- Scirpus californicus** (Meyer) Steudel  
California tule. Native perennial.
- Scirpus cernuus** Vahl  
Pincushion sedge. Native annual or perennial.
- Scirpus koilolepis** (Steud.) Gleason  
Native annual.
- Scirpus microcarpus** Presl.  
Paniced bulrush. Native perennial.
- Scirpus pungens** Vahl.  
[*Scirpus americanus* Pers.]  
Three-square. Native perennial.
- Scirpus robustus** Pursh.  
Native perennial.
- IRIDACEAE**
- Iris douglasiana** Herbert  
Douglas iris. Native perennial.
- Sisyrinchium bellum** Watson  
Blue-eyed grass. Native perennial.
- Sisyrinchium californicum** (Ker Gawler) Dryander  
Golden-eyed grass. Native perennial.
- JUNCACEAE**
- Juncus balticus** Willd.  
Wire rush. Native perennial.
- Juncus bolanderi** Engelm.  
Bolander's rush. Native perennial.
- Juncus breweri** Engelm.  
Brewer's rush. Native perennial.
- Juncus bufonius** L. var. *bufonius*  
Toad rush. Native annual.
- Juncus bufonius** L. var. *congestus* Wahlenb.  
Toad rush. Native annual.
- Juncus effusus** L. var. *brunneus* Engelm.  
Rush. Native perennial.
- Juncus lesueurii** Bolander  
Coastal wire rush. Native perennial.
- Juncus patens** Meyer  
Blue rush. Native perennial.
- Juncus phaeocephalus** Engelm. var.  
*phaeocephalus*  
Native perennial.
- Luzula comosa** Meyer. [*L. subsessilis* (Wats.)  
Buch.]  
Wood rush. Native perennial.
- JUNCAGINACEAE**
- Lilaea scilloides** (Poiret) Hauman  
Flowering quillwort. Native annual.
- Triglochin concinna** Davy  
Small arrowgrass. Native perennial.
- Triglochin maritima** L.  
Seaside arrow grass. Native perennial.
- LEMNACEAE**
- Lemna valdiviana** Phil.  
Duckweed. Native perennial.
- LILIACEAE**
- Allium dichlamydeum** Greene  
Wild onion. Native perennial.
- Allium triquetrum** L.  
Wild onion. Introduced perennial.
- Chlorogalum pomeridianum** (DC.) Kunth. var.  
*divaricatum* (Lind.) Hoover  
Soap plant. Native perennial.
- Dichelostemma capitatum** Alph. Wood.  
[*Brodiaea pulchella* Greene]  
Blue dicks. Native perennial.
- Fritillaria affinis** (Schultes) Sealy  
[*F. lanceolata* Pursh.]  
Mission bells, Checker lily. Native perennial.
- Triteleia laxa** Bentham  
[*Brodiaea laxa* (Benth.) Wats.]  
Wally basket, Ithuriel's spear. Native perennial.
- ORCHIDACEAE**
- Piperia elegans** (Lindley) Rydb erg  
[*Habenaria maritima* Greene]  
Native perennial.
- Spiranthes romanzoffiana** Cham.  
Ladies tresses. Native perennial.
- POACEAE**
- Agrostis avenacea** Gmelin  
Introduced perennial.
- Agrostis bladsdalei** Hitchcock  
Bladsdale's bentgrass. Native perennial.
- Agrostis capillaris** L.  
Colonial bentgrass. Introduced perennial.
- Agrostis densiflora** Vasey  
[*A. californica* Trinius; *A. clivicola* Crampton]  
Native perennial.
- Agrostis exarata** Trinius  
Spike bent grass. Native perennial.
- Agrostis pallens** Trinius  
[*A. diegoensis* Vasey]  
Native perennial.
- Agrostis stolonifera** L.  
[*A. alba* var. *palustris* (Huds.) Pers.]  
Introduced perennial.
- Aira caryophyllea** L.  
Silver hairgrass. Introduced annual.
- Aira praecox** L.  
Introduced annual.
- Ammophila arenaria** (L.) Link.  
European beachgrass. Introduced perennial.
- Avena barbata** Brot.  
Slender wild oat. Introduced annual.
- Brachypodium pinnatum** (L.) Baeuv.  
[*B. phoenicoides* (L.) Roemer & Schultes]  
Introduced perennial.
- Briza maxima** L.  
Rattlesnake grass. Introduced annual.
- Briza minor** L.  
Little quaking grass. Introduced annual.
- Bromus carinatus** Hook. & Arn. var. *carinatus*  
California brome. Native perennial.
- Bromus carinatus** Hook. & Arn. var. *maritimus*  
(Piper) Hitchc. Dune brome. Native perennial.
- Bromus diandrus** Roth.  
[*B. rigidus* Roth.]  
Ripgut brome. Introduced annual.
- Bromus hordeaceus** L.

- [Bromus mollis L.]**  
Soft brome. Introduced annual.
- Bromus madritensis** L. ssp. **madritensis**  
Foxtail chess. Introduced annual.
- Calamagrostis nutkaensis** (Presl.) Steudel  
Pacific reedgrass. Native perennial.
- Cortaderia jubata** (Lem.) Hooker  
Pampas grass. Introduced perennial.
- Cynosurus echinatus** L.  
Dogtail. Introduced annual.
- Dactylis glomerata** L.  
Orchard grass. Introduced perennial.
- Danthonia californica** Bolander var. **californica**  
California oatgrass. Native perennial.
- Danthonia californica** Bolander var. **americana**  
(Scrib.) Hitchcock  
California oatgrass. Native perennial.
- Danthonia pilosa** Brown  
Hairy oatgrass. Introduced perennial.
- Deschampsia cespitosa** (L.) Beauv. ssp.  
**holciformis** (Presl.) Lawrence  
Pacific hairgrass. Native perennial.
- Distichlis spicata** (L.) Greene  
Saltgrass. Native perennial.
- Ehrharta calycina** Smith  
Introduced perennial.
- Ehrharta erecta** Lamk.  
Introduced perennial.
- Elymus glaucus** Buckl. ssp. **glaucus**  
Blue wildrye. Native perennial.
- Elytrigia elongata** (Host) Nevski  
[*Agropyron elongatum* (Host) Beauvois].  
Tall wheatgrass. Introduced perennial.
- Festuca arundinacea** Schreber  
Tall fescue. Introduced perennial.
- Festuca rubra** L.  
Red fescue. Native perennial.
- Glyceria occidentalis** (Piper) Nelson  
Western manna grass. Native perennial.
- Hainardia cylindrica** (Willd.) Greuter  
[*Monerma cylindrica* (Willd.) C. & D.]  
Introduced annual.
- Holcus lanatus** L.  
Velvet grass. Introduced perennial.
- Hordeum brachyantherum** Nevski ssp.  
**brachyantherum**  
Meadow barley. Native perennial.
- Hordeum marinum** Hudson ssp. **gussoneanum**  
(Parl.) Thell.  
Mediterranean barley. Introduced annual.
- Hordeum murinum** L. ssp. **leporinum** (Link)  
Arcang.  
Farmer's foxtail. Introduced annual.
- Koeleria macrantha** (Ledebour) Shultes  
[*Koeleria cristata* (L.) Persoon]  
Junegrass. Native perennial.
- Lagurus ovatus** L.  
Hare's tail. Introduced annual.
- Leymus mollis** (Trin.) Pilger ssp. **mollis**  
[*Elymus mollis* Trin.]  
Beach grass. Native perennial.
- Leymus pacificus** (Gould) Dewey  
[*Elymus pacificus* Gould; *Agropyron arenicola* Davy]  
Native perennial.
- Leymus triticoides** (Buckley) Pilger  
[*Elymus triticoides* Buckley]  
Native perennial.
- Leymus x multiflorus** (Gould) Barkworth &  
Dewey [*Elymus triticoides* Buckley ssp.  
**multiflorus** Gould]  
Native perennial. Hybrid.
- Leymus x vancouverensis** (Vasey) Pilger  
[*Elymus vancouverensis* Vasey]  
Native perennial. Hybrid.
- Lolium multiflorum** Lam.  
Italian ryegrass. Introduced annual or  
biennial.
- Lolium perenne** L.  
Perennial ryegrass. Introduced perennial.
- Melica imperfecta** Trinius  
Native perennial.
- Melica torreyana** Scribner  
Native perennial.
- Nassella pulchra** (Hitchc.) Barkworth  
[*Stipa pulchra* Hitchcock]  
Purple needlegrass. Native perennial.
- Parapholis incurva** (L.) Hubbard  
Sickle grass. Introduced annual.
- Pennisetum clandestinum** Hochstetter  
Kikuyu grass. Introduced perennial.
- Phalaris aquatica** L.  
[*Phalaris tuberosa* L. var. **stenoptera** (Hack)  
Hitchc.]  
Introduced perennial.
- Poa annua** L.  
Annual bluegrass. Introduced annual.
- Poa douglasii** Nees.  
Sand bluegrass. Native perennial.
- Poa pratensis** L.  
Kentucky bluegrass. Introduced perennial.
- Poa unilateralis** Scrib.  
Ocean-bluff blue grass. Native perennial.
- Polypogon interruptus** H., B. and K.  
Introduced perennial.
- Polypogon monspeliensis** (L.) Desf.  
Rabbitfoot grass. Introduced annual.
- Puccinellia nutkaensis** (Presl.) Fern. & Weath.  
[*Puccinellia grandis* Swallen]  
Alaska alkali grass. Native perennial.
- Spartinafoliosa** Trin.  
California cordgrass. Native perennial.
- Torreochloa pallida** (Presl.) Church var.  
**pauciflora** (Presl.) Davis.  
[*Puccinellia pauciflora* (Presl.) Munz],  
[*Glyceria pauciflora* Presl.]  
Weak managrass. Native perennial.
- Triticum aestivum** L.  
Wheat. Introduced annual.
- Vulpia bromoides** (L.) Gray  
[*Festuca dertonensis* (All.) Ach. and Graebn.]  
Introduced annual.
- Vulpia myuros** (L.) Gmelin var. **hirsuta** (Hackel)  
Asch. & Graebner  
[*Festuca megalura* Nutt.]  
Foxtail fescue. Introduced annual.
- POTAMOGETONACEAE**
- Potamogeton crispus** L.  
Curdled-leaved pondweed. Introduced  
perennial.
- Potamogeton pectinatus** L.  
Fennel-leaf pondweed. Native perennial.
- Ruppia maritima** L.  
Wigeon grass. Native annual.
- TYPHACEAE**
- Sparganium eurycarpum** Engelm. Ssp.  
**eurycarpum**

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NOTES: This list derives from specimens in the Herbarium of the Bodega Marine Laboratory, collected principally by Michael Barbour, 1968-1971 and by Peter Connors, 1990-2004. Some additional records, not included here, have been reported for Bodega Head by other observers over the past century.

The list area includes all of Bodega Head (Pacific Plate) and all of Bodega dunes (San Andreas Fault Zone) north as far as Salmon Creek, but none of the non-sandy habitats inland of the dunes east or west of Highway 1 (American Plate). Principal emphasis in collecting has been on the Bodega Marine Reserve.

Scientific names generally follow The Jepson Manual (1993). Some previously used synonyms are listed in brackets below the new name.

Total species and varieties: 447

Native: 289 (65%); Introduced: 158 (35%)

List Date: 24 May 2004

**MAMMALS OF BODEGA HEAD, BODEGA DUNES AND ADJACENT WATERS**

Scientific Name	Common Name	Abundance	Habitat
<b>Order Marsupiala</b>			
<i>Didelphis virginiana</i>	Opossum	Common	Grasslands
<b>Order Insectivora</b>			
<i>Sorex vagrans</i>	Vagrant shrew	Common	Grasslands, dunes, marshes
<i>Neurotrichus gibbsii</i>	Shrew-mole	Rare	Grasslands, marshes
<i>Scapanus latimanus</i>	California mole	Uncommon	Grasslands
<b>Order Chiroptera</b>			
<i>Myotis spp.</i>	Mouse-eared bats	Uncommon	Over grasslands, dunes, marshes
<i>Tadarida brasiliensis</i>	Brazilian free-tailed bat	Uncommon	Over grasslands, dunes, marshes
<b>Order Carnivora</b>			
<i>Canis latrans</i> *	Coyote	Rare	Grasslands
<i>Urocyon cinereoargenteus</i>	Gray fox	Uncommon	Grasslands, dunes
<i>Vulpes vulpes</i>	Red fox	Rare	Grasslands, dunes
<i>Bassariscus astutus</i>	Ringtail	Rare	Grasslands, buildings
<i>Procyon lotor</i>	Raccoon	Common	Grasslands, marshes, intertidal habitats
<i>Enhydra lutris</i>	Sea otter	Rare	Inshore ocean waters
<i>Lutra canadensis</i>	River otter	Uncommon	Freshwater, harbor
<i>Memphitis memphitis</i>	Striped skunk	Common	Grasslands
<i>Mustela frenata</i>	Long-tailed weasel	Common	Grasslands
<i>Taxidea taxus</i>	Badger	Rare	Grasslands
<i>Felis catus</i> (Introduced)	Feral house cat	Common	Grasslands, dunes
<i>Felis concolor</i>	Mountain lion	Rare	Grasslands, dunes
<i>Lynx rufus</i>	Bobcat	Rare	Grasslands, dunes
<b>Order Pinnipedia</b>			
<i>Eumetopias jubatus</i>	Steller's sea lion	Uncommon	Shorelines, inshore ocean waters
<i>Zalophus californianus</i>	California sea lion	Common	Offshore rocks, harbor, inshore ocean waters
<i>Mirounga angustirostris</i>	Northern elephant seal	Uncommon	Sandy beaches, inshore ocean waters
<i>Phoca vitulina</i>	Harbor seal	Common	Rocky intertidal, harbor, inshore ocean waters
<b>Order Cetacea</b>			
<i>Eschrichtius robustus</i>	Gray whale	Seasonally common	Inshore ocean waters
<i>Megaptera novaeangliae</i>	Humpback whale	Rare	Inshore ocean waters
<b>Order Artiodactyla</b>			
<i>Odocoileus hemionus columbianus</i>	Black-tailed deer	Common	Grasslands, dunes
<b>Order Rodentia</b>			
<i>Tamias sonomae</i> *	Sonoma chipmunk	Rare	Dunes
<i>Thomomys bottae</i>	Valley pocket gopher	Common	Grasslands
<i>Peromyscus maniculatus</i>	Deer mouse	Common	Grasslands, dunes
<i>Reithrodontomys megalotis</i>	Western harvest mouse	Common	Grasslands, dunes

<i>Microtus californicus</i>	California vole	Common	Grasslands, dunes, marshes
<i>Ondatra zibethica</i>	Muskrat	Uncommon	Freshwater marshes
<i>Mus musculus</i> * (Introduced)	House mouse	Uncommon	Disturbed areas
<i>Rattus norvegicus</i> (Introduced)	Norway rat	Uncommon	Disturbed areas, buildings
<b>Order Lagomorpha</b>			
<i>Lepus californicus</i>	Black-tailed jackrabbit	Common	Dunes, grasslands
<i>Sylvilagus bachmani</i>	Brush rabbit	Common	Grasslands

NOTES:

\* Listed in Barbour, Craig, Drysdale, Ghiselin (1973), Coastal Ecology - Bodega Head, but not reported since the 1970's.